

MSBTE Sample Question Paper

Course Name: Computer Engineering Group

Course Code: CO/CM/CD/IF/CW

Semester: SIXTH

Subject:- ADVANCED JAVA PROGRAMMING

Subject Code :-(17085)

Marks:- 100

Hours :- 2 Hrs

Remember Level

Chapter 1

1. Which class can be used to represent the Checkbox with a textual label that can appear in a menu?

- A. MenuBar
- B. MenuItem
- C. CheckboxMenuItem
- D. Menu

2. Which are various AWT controls from following?

- A. Labels, Push buttons, Check boxes, Choice lists.
- B. Text components, Threads, Strings, Servlets, Vectors
- C. Labels, Strings, JSP, Netbeans, Sockets
- D. Push buttons, Servlets, Notepad, JSP

3. JPanel and Applet use _____ as their default layout

- A. FlowLayout
- B. GridLayout
- C. BorderLayout
- D. GridBagLayout

4. Which of the following is true about AWT and Swing Component?

- A. AWT Components create a process where as Swing Component create a thread
- B. AWT Components create a thread where as Swing Component create a process
- C. Both AWT and Swing Component create a process
- D. Both AWT and Swing Component create a thread

5. Which of these methods cannot be called on JLabel object?

- A. setIcon()
- B. getText()
- C. setLabel()
- D. setBorderLayout()

6. _____ pane can be used to add component to container

- A. Glass
- B. Content
- C. Container
- D. All of above

7. Which of the following is not a constructor of JTree

- A. JTree(Object obj[])
- B. JTree(TreeNodetn)
- C. JTree(Vector v)
- D. JTree(int x)

8. Swing Components are_____

- A. Platform dependent
- B. Platform Independent
- C. Both a & b
- D. Platform oriented

Chapter 2

1. Which of these methods is used to obtain the object that generated a WindowEvent?

- A. getMethod()
- B. getWindow()
- C. getWindowEvent()
- D. getWindowObject()

2. Which of these methods is used to get x coordinate of the mouse?

- A. getX()
- B. getXCoordinate()
- C. getCoordinateX()
- D. getPointX()

3. Which of these are constants defined in WindowEvent class?

- A. WINDOW_ACTIVATED
- B. WINDOW_CLOSED
- C. WINDOW_DEICONIFIED
- D. All of the mentioned

4. Which of these is super class of WindowEvent class?

- A. WindowEvent
- B. ComponentEvent
- C. ItemEvent
- D. InputEvent

Chapter 3

1. Which of these is a return type of getAddress method of DatagramPacket class?

- A. DatagramPacket
- B. DatagramSocket
- C. InetAddress
- D. ServerSocket

2. In the format for defining the URL what is the last part?

- A. Protocol.
- B. File path.

- C. Port number.
- D. Host name.

3. What is the first part of URL address?

- A. Host name.
- B. Port number.
- C. File path.
- D. Protocol.

4. Which of these methods of DatagramPacket is used to obtain the byte array of data contained in a datagram?

- A. getData()
- B. getBytes()
- C. getArray()
- D. receiveBytes()

Chapter 4

1. Native – protocol pure Java converts in to the used by DBMSs directly.

- A. JDBC calls, network protocol
- B. ODBC class, network protocol
- C. ODBC class, user call
- D. JDBC calls, user call

2. The JDBC-ODBC bridge driver resolves..... and makes equivalent

- A. JDBC call, ODBC call
- B. ODBC call, ODBC call
- C. ODBC call, JDBC call
- D. JDBC call, JDBC call

3. For execution of DELETE SQL query in JDBC, method must be used.

- A. executeQuery()
- B. executeDeleteQuery()
- C. executeUpdate()
- D. executeDelete()

4. Prepared Statement object in JDBC used to execute..... queries.

- A. Executable
- B. Simple
- C. High level
- D. Parameterized

Chapter 5

1. Name the class that includes the getSession() method that is used to get the HttpSession object

- A. HttpServletRequest
- B. HttpServletResponse
- C. SessionContext

D. SessionConfig

**2. A user types the URL `http://www.msbte.com/result.php`. Which HTTP request gets generated?
Select the one correct answer**

- A. GET method
- B. POST method
- C. HEAD method
- D. PUT method

3. Which of these is a protocol for breaking and sending packets to an address across a network?

- A. TCIP/IP
- B. DNS
- C. Socket
- D. Proxy Server

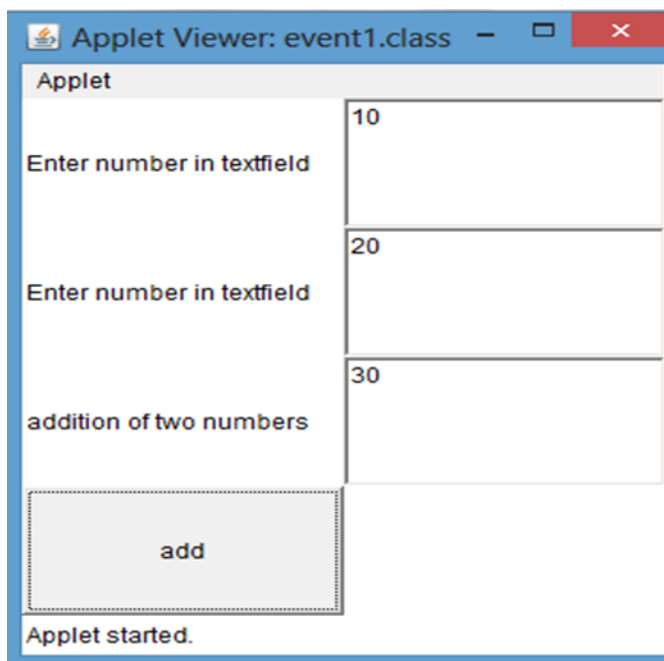
4. in a web application, running in a webserver, who is responsible for creating request and response object,

- A. Web server
- B. Servlet
- C. Container
- D. Client

Understand Level

Chapter 1

1. Which components are used in the following output?



- A. Label, TextField, Button
- B. Applet, Label
- C. Applet, Button
- D. Grid Layout, Label, Button

2. What is the purpose of JTable?

- A. JTable object displays rows of data.
- B. JTable object displays columns of data.
- C. JTable object displays rows and columns of data.
- D. JTable object displays data in Tree form.

3. Which method is used to display icon on a component?

- A. rolloverIcon(ImageIcon i)
- B. setIcon(ImageIcon i)
- C. displayIcon(ImageIcon i)
- D. removeIcon (ImageIcon i)

4. What components will be needed to get following output?



- A. Label, TabbedPane, CheckBox
- B. TabbedPane, List, Applet
- C. Panel, TabbedPane, List
- D. Applet, TabbedPane, Panel

Chapter 2

1. Select the missing statement in given code

```
import java.awt.*;
import java.applet.*;
/*
<applet code="mouse" width=300 height=100>
</applet>
*/
public class mouse extends Applet implements MouseListener, MouseMotionListener
{
String msg = "";
```

```

int mouseX = 0, mouseY = 0
public void init()
{
}
public void mouseClicked(MouseEvent me)
{
mouseX = 0;
mouseY = 10;
msg = "Mouse clicked.";
repaint();
}
public void mouseEntered(MouseEvent me)
{
mouseX = 0;
mouseY = 10;
msg = "Mouse entered.";
repaint();
}
public void mouseExited(MouseEvent me)
{
mouseX = 0;
mouseY = 10;
msg = "Mouse exited.";
repaint();
}
public void mousePressed(MouseEvent me)
{
mouseX = me.getX();
mouseY = me.getY();
msg = "Down";
repaint();
}
public void mouseReleased(MouseEvent me)
{
mouseX = me.getX();
mouseY = me.getY();
msg = "Up";
repaint();
}
public void mouseDragged(MouseEvent me)
{
mouseX = me.getX();
mouseY = me.getY();
msg = "*";
setStatus("Dragging mouse at " + mouseX + ", " + mouseY);
repaint();
}
public void mouseMoved(MouseEvent me)

```

```

{
showStatus("Moving mouse at " + me.getX() + ", " + me.getY());
}
public void paint(Graphics g)
{
g.drawString(msg, mouseX, mouseY);
}
}

```

a) addMouseMotionListener(this);
b) addMouseListener(this);
c) import java.awt.event.*;
d) all of above

2. Select the proper output for following code

```

import java.awt.*;
import java.applet.*;
public class list2 extends Applet
{
public void init()
{
List l= new List(2,true);
l.add("java");
l.add("c++");
l.add("kkk");
add(l);
}
}
/*<applet code=list2.class height=200 width=200>
</applet>*/

```

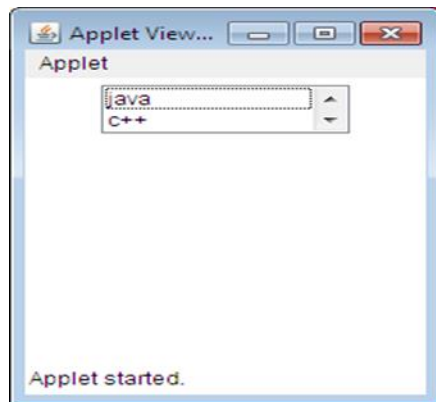
a)



b)



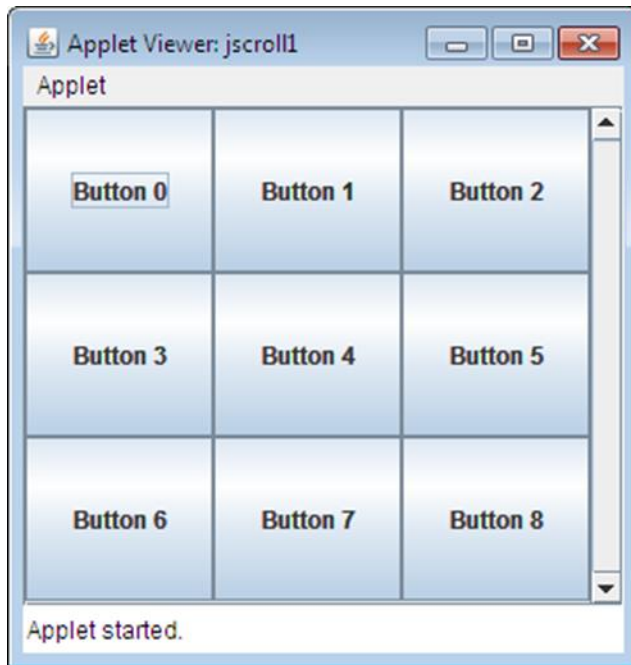
c)



d)



3. To get the following output complete the code given below.



```
import java.awt.*;
import javax.swing.*;
/*
<applet code="jscroll" width=300 height=250>
</applet>
*/
public class jscroll extends JApplet
{
    public void init()
    {
        Container contentPane = getContentPane();
        contentPane.setLayout(new BorderLayout());
    }
}
int v = ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS;
int h = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_AS_NEEDED;
JScrollPanejsp = new JScrollPane(jp, v, h);
contentPane.add(jsp, BorderLayout.CENTER);
}
```

- A) Container contentPane = getContentPane();
contentPane.setLayout(new GridLayout());

- B) `JPaneljp = new JPanel();`
`jp.setLayout(new GridLayout(20, 20));`
- C) `int b = 0;`
`for(int i = 0; i < 20; i++) {`
`for(int j = 0; j < 20; j++) {`
`jp.add(new JButton("Button " + b));`
`++b;`
- D) `JPaneljp = new JPanel();`
`jp.setLayout(new GridLayout(3,3));`
`int b = 0;`
`for(int i = 0; i < 3; i++)`
`{`
`for(int j = 0; j < 3; j++)`
`{`
`jp.add(new JButton("Button " + b));`
`++b;`

Chapter 3

1. Select the proper method to retrieve the host name of local machine

- A. `static InetAddressgetLocalHost()throws UnknownHostException`
- B. `static InetAddressgetByName(String hostName)throws UnknownHostException`
- C. `static InetAddress[] getAllByName(String hostname throws UnknownHostException`
- D. `string getHostAddress()`

2. Select the proper constructor of URL class

- A. `URL(String protocolName, String hostName, intport, String path)`
- B. `URL(String urlSpecifier)`
- C. `URL(String protocolName, String hostName, String path)`
- D. All of above

3. Select the proper constructor of serversocket

- A. `ServerSocket(intport, intmaxQueue)`
- B. `Socket(InetAddressipAddress, intport)`
- C. `Socket(int port)`
- D. `ServerSocket()`

4. What will be displayed in the output?

```
import java.net.*;
classmyAddress
{
public static void main (String args[])
{
try
{
InetAddress address = InetAddress.getLocalHost();
System.out.println(address);
}
catch (UnknownHostException e)
{
System.out.println("Could not find this computer's address.");
}
}
}
```

- A. The internet address of the server
- B. The internet address of the client
- C. The internet address of the host
- D. The internet address of any other PC

Chapter 4

1. executeQuery() method returns_____

- A. Single row
- B. ResultSet object
- C. Single Column
- D. Database Table

2. PreparedStatement interface extends_____ interface

- A. Connection
- B. Statement
- C. ResultSet
- D. Driver

3. executeUpdate() method returns_____

- A. Single row
- B. ResultSet object
- C. Integer

- D. Single Column

Chapter 5

1. Identify correct syntax of service() method of servlet class

- A. void service(ServletRequest req, ServletResponse res)
- B. void service(ServletResponse res ServletRequest req,)
- C. void service(ServletRequest req, ServletRequest req)
- D. void service(ServletResponsereq, ServletResponse res)

2. Advantage of JSP over Servlet is _____

- A. JSP is web page and servlets are Java programs
- B. JSP is web page scripting language and servlets are Java programs
- C. JSP is web page scripting language and servlets are simple programs
- D. JSP is program and servlets are scripting language

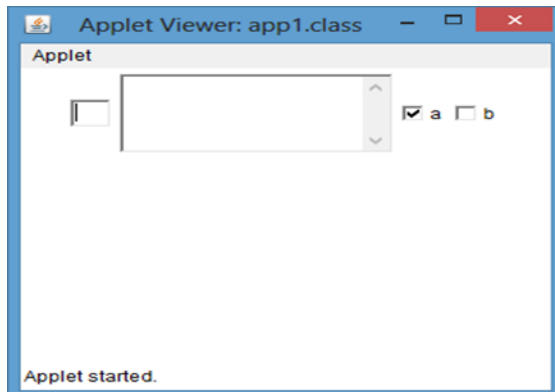
3. Difference between doGet() and doPost() methods is _____. Select any of given options

- A. In doGet() the parameters are appended to the URL and sent along with header information.
 - B. In doPost(), will send the information through a socket back to the webserver and it won't show up in the URL bar.
 - C. doGet() is a request for information;
 - D. doPost() provides information (such as placing an order) that the server is expected to remember
-
- A. All above are valid differences
 - B. Only A and B
 - C. Only C and D
 - D. A, B, C are valid differences.

Apply Level

Chapter 1

1. Choose the correct sequence for the following output



A.

```
import java.awt.*;
import java.applet.*;
public class app1 extends Applet
{
    public void init()
    {
        TextField tf = new TextField();
        TextArea t1 = new TextArea(3, 20);
        Checkbox c = new Checkbox("a", true);
        Checkbox c1 = new Checkbox("b", false);
        add(t1);
        add(c);
        add(tf);
        add(c1);
    }
}
/*<applet code=app1.class width=200 height=200>
</applet>*/
```

B.

```
import java.awt.*;
import java.applet.*;
public class app1 extends Applet
{
    public void init()
    {
        TextField tf = new TextField();
        TextArea t1 = new TextArea(3, 20);
        Checkbox c = new Checkbox("a", true);
        Checkbox c1 = new Checkbox("b", false);
        add(tf);
```

```

add(t1);
add(c);
add(c1);
}
}
/*<applet code=app1.class width=200 height=200>
</applet>*/

```

C.

```

import java.awt.*;
import java.applet.*;
public class app1 extends Applet
{
    public void init()
    {
        TextField tf = new TextField();
        TextArea t1 = new TextField();
        Checkbox c = new Checkbox("a", true);
        Checkbox c1 = new Checkbox("b", false);
        add(tf);
        add(t1);
        add(c);
        add(c1);
    }
}

```

D. All of above

2. Consider the following program. Find which statement contains error.

```

import java.awt.*;
import javax.swing.*;
/*
<applet code="JTableDemo" width=400 height=200>
</applet>
*/
public class JTableDemo extends JApplet
{
    public void init() {
        Container contentPane = getContentPane();
        contentPane.setLayout(new BorderLayout());
        final String[] colHeads = { "emp_Name", "emp_id", "emp_salary" };
        final Object[][] data = {
            { "Ramesh", "111", "50000" },

```

```

{ "Sagar", "222", "52000" },
{ "Virag", "333", "40000" },
{ "Amit", "444", "62000" },
{ "Anil", "555", "60000" },
};
JTable table = new JTable(data);
int v = ScrollPaneConstants.VERTICAL_SCROLLBAR_AS_NEEDED;
int h = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_AS_NEEDED;
JScrollPane jsp = new JScrollPane(table, v, h);
contentPane.add(jsp, BorderLayout.CENTER);
}
}

```

- A. Error in statement in which JTable is created
- B. Error in statement in which JScrollPane is created
- C. Error in statement in which applet tag is declared
- D. None of the above

3. Select the proper command to run the following code

```

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.applet.*;
/*
<applet code="combodemo11" width=300 height=100>
</applet>
*/
public class combodemo11 extends JApplet
{
    public void init()
    {
        Container co = getContentPane();
        co.setLayout(new FlowLayout());
        JComboBox jc = new JComboBox();
        jc.addItem("cricket");
        jc.addItem("football");
        jc.addItem("hockey");
        jc.addItem("tennis");
        co.add(jc);
    }
}

```

- A. `Javac combodemo11.java`
- B. `java combodemo11`

- C. appletviewer combodemo11.java
- D. All of above

4. Observe the following code

```
import java.awt.*;
import java.applet.*;
public class LayoutDemo5 extends Applet
{
    public void init()
    {
        int i,j,k,n=4;
        setLayout(new BorderLayout());
        Panel p1=new Panel();
        Panel p2=new Panel();

        p1.setLayout(new FlowLayout());
        p1.add(new TextField(20));
        p1.add(new TextField(20));

        p2.setLayout(new GridLayout(5,3));
        p2.add(new Button("OK"));
        p2.add(new Button("Submit"));

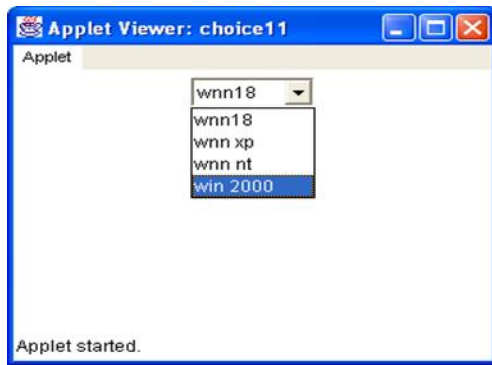
        add(p1,BorderLayout.EAST);
        add(p2,BorderLayout.WEST);
    }
}
/*<applet code=LayoutDemo5.class width=300 height=400>
</applet>*/
```

What will be the output of the above program?

- A. The output is obtained in Frame with two layouts: Frame layout and Flow Layout.
- B. The output is obtained in Applet with two layouts: Frame layout and Flow Layout.
- C. The output is obtained in Applet with two layouts: Frame layout and Border Layout.
- D. The output is obtained in Applet with two layouts: Border layout and Flow Layout.

Chapter 2

1. Select proper code for given output



A.

```
import java.awt.*;
import java.applet.*;
public class choice11 extends Applet
{
    public void init()
    {
        Choice os=new Choice();
        os.add("wnn18");
        os.add("wnn xp");
        os.add("wnn nt");
        os.add("win 2000");
        add(os);
    }
}
/*<applet code="choice11" height=200 width=300>
</applet>*/
```

B.

```
import java.awt.*;
import java.applet.*;
public class choice11 extends Applet
{
    public void init()
    {
        Choice os=new Choice();
        os.add("wnn18");
        os.add("wnn xp");
        add(os);
    }
}
```

```
/*<applet code="choice11" height=200 width=300>  
</applet>*/
```

C.

```
import java.awt.*;  
import java.applet.*;  
public class choice11 extends Applet  
{  
    public void init()  
    {  
        Choice os=new Choice();  
        os.add("wnn18");  
        os.add("wnnxp");  
        os.add("wnnnt");  
        os.add("win 2000");  
        add(os);  
    }  
}
```

D.

```
import java.awt.*;  
import java.applet.*;  
public class choice11 extends Applet  
{  
    public void init()  
    {  
        Choice os=new Choice();  
        os.add("wnn18");  
        os.add("wnnxp");  
        os.add("wnnnt");  
        os.add("win 2000");  
    }  
}  
/*<applet code="choice11" height=200 width=300>  
</applet>*/
```

2. Select the missing statement in the program to get the following output



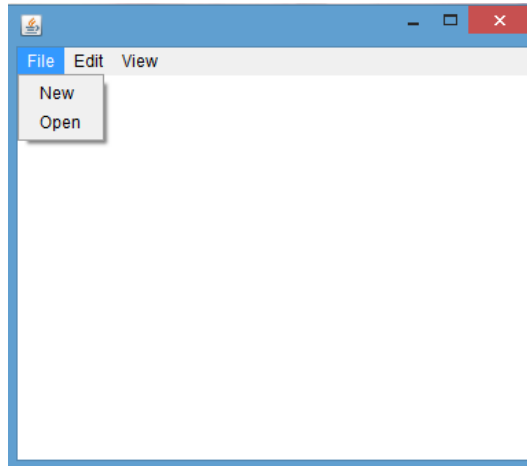
```

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
/*
<applet code="combodemo" width=300 height=100>
</applet>
*/
public class combodemo extends JApplet
implements ItemListener
{
    JLabel jl;
    ImageIcon france, germany, italy, japan;
    public void init()
    {
        Container contentPane = getContentPane();
        contentPane.setLayout(new FlowLayout());
        JComboBox jc = new JComboBox();
        jc.addItem("France");
        jc.addItem("Germany");
        jc.addItem("Italy");
        jc.addItem("Japan");
        jc.addItemListener(this);
        contentPane.add(jc);
        contentPane.add(jl);
    }
    public void itemStateChanged(ItemEvent ie)
    {
        String s = (String)ie.getItem();
        jl.setIcon(new ImageIcon(s + ".gif"));
    }
}
A.    jl = new JLabel(new ImageIcon("star.gif"));

```

- B. `jl = new JLabel("star.gif");`
- C. `jl = new JLabel(ImageIcon("star.gif"));`
- D. `JLabel(new ImageIcon("star.gif"));`

3. Select the missing statement in the program for following output

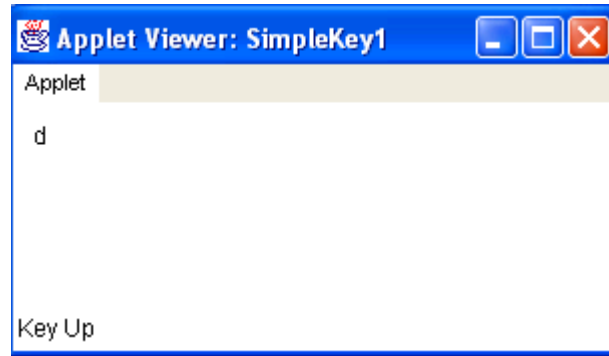


```
import java.awt.*;
public class MenuDemo extends Frame
{
    public static void main(String args[])
    {
        MenuDemo m = new MenuDemo();
        m.setVisible(true);
        MenuBar mbr = new MenuBar();
        m.setMenuBar(mbr);
        Menu filemenu = new Menu("File");
        Menu editmenu = new Menu("Edit");
        Menu viewmenu = new Menu("View");
        mbr.add(filemenu);
        mbr.add(editmenu);
        MenuItem new1 = new MenuItem("New");
        MenuItem open1 = new MenuItem("Open");
        filemenu.add(new1);
        filemenu.add(open1);
    }
}
```

- A. `mbr.add(view);`
- B. `mbr.add(menu);`
- C. `mbr.add(vieweditmenu);`

D. mbr.add(viewmenu);

4. Consider the following output. Find the missing statement in the program.



```
import java.awt.*;
import java.awt.event.*;
import java.applet.*;
import javax.swing.*;
/*
<applet code="SimpleKey1" width=300 height=100>
</applet>
*/
public class SimpleKey1 extends JApplet
implements KeyListener
{
    String msg = "";
    int X = 10, Y = 20; public void init()
    {
        addKeyListener(this);
        requestFocus();
    }
    public void keyPressed(KeyEvent ke)
    {
        showStatus("Key Down");
    }
    public void keyReleased(KeyEvent ke)
    {
        showStatus("Key Up");
    }
    public void keyTyped(KeyEvent ke)
    {
        msg += ke.getKeyChar();
        repaint();
    }
    public void paint(Graphics g)
    {
        g.drawString(msg, X, Y);
    }
}
```

```
}  
}
```

- A. Missing Semicolon
- B. }
- C. {
- D. ()

5. For the following code select the method that can be used to handle event.

```
import java.awt.event.*;  
import java.awt.*;  
import java.applet.*;  
public class checkbackg extends Applet implements ItemListener  
{  
    Checkbox m1,m2,m3;  
    public void init()  
    {  
        m1=new Checkbox("A");  
        m2=new Checkbox("B");  
        m3=new Checkbox("C");  
        add(m1);  
        add(m2);  
        add(m3);  
        m1.addItemListener(this);  
        m2.addItemListener(this);  
    }  
  
    public void _____(ItemEvent ie)  
    {  
        if(ie.getSource()==m1)  
            setBackground(Color.red);  
        if(ie.getSource()==m2)  
            setBackground(Color.green);  
    }  
}  
/*<applet code=checkbackg.class height=150 width=150>  
</applet>*/
```

- A. actionPerformed(ActionEvent ae)
- B. itemStateChanged(ActionEvent ie)
- C. itemStateChanged(ItemEvent ie)
- D. adjustmentPerformed(AdjustmentEvent ae)

Chapter 3

1. Consider the following program

What will be displayed in the output?

```
import java.net.*;
class myAddress
{
public static void main (String args[])
{
try
{
    InetAddress address = InetAddress.getLocalHost();
System.out.println(address);
}
catch (UnknownHostException e)
{
System.out.println("Could not find this computer's address.");
}
}
}
```

- A. The internet address of the server
- B. The internet address of the client
- C. The internet address of the host
- D. The internet address of any other PC

2. Consider the following program

What correction should be done in the program to get correct output?

```
import java.net.*;
import java.io.*;

public class URLTest
{
public static void main(String args[]) throws MalformedURLException
{
URL url = new URL("http://www.msbte.com/download");
System.out.println("Protocol:"+ url1.getProtocol());
System.out.println("Port:"+ url1.getPort());
System.out.println("Host:"+ url1.getHost());
System.out.println("File:"+ url1.getFile());
}
}
```

- A. Exception type is wrong.

- B. Class should not be public.
- C. Creation of object is not correct.
- D. Use of created object not correct

Chapter 4

1. Consider the following program.

What should be the correction done in the program to get correct output?

```
import java.sql.*;
class Ddemo1
{
public static void main(String args[]) throws Exception
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection c=DriverManager.getConnection("jdbc:odbc:ODSN"," "," ");
Statement s=c.createStatement();
ResultSet rs=s.executeQuery("select *from StudTable");
System.out.println("Name" + " \t " + "Roll_No" + " \t " + "Avg");
while(rs.next())
{
System.out.println(rs.getString(1)+" \t "+rs.getInt(2)+" \t \t "+rs.getDouble(3));
s.close();
c.close();
}
}
```

- A. Missing semicolon
- B. Missing {
- C. Missing }
- D. Missing statement.

2. Consider the following program.

What should be the correction done in the program to get correct output?

```
import java.sql.*;
class Ddemo1
{
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection c=DriverManager.getConnection("jdbc:odbc:ODSN"," "," ");
Statement s=c.createStatement();
ResultSet rs=s.executeQuery("select *from StudTable");
System.out.println("Name" + " \t " + "Roll_No" + " \t " + "Avg");
while(rs.next())
{
System.out.println(rs.getString(1)+" \t "+rs.getInt(2)+" \t \t "+rs.getDouble(3));
}
```



```
s.close();
c.close();
}
}
```

- A. Missing semicolon
- B. Missing {
- C. Missing }
- D. Missing statement.

3. Consider the following program.

What should be the correction done in the program to get correct output?

```
import java.sql.*;
class Ddemo1
{
    public static void main(String args[]) throws Exception;
    {
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connection c=DriverManager.getConnection("jdbc:odbc:ODSN"," "," ");
        Statement s=c.createStatement();
        ResultSet rs=s.executeQuery("select *from StudTable");
        System.out.println("Name" + " \t " + "Roll_No" + " \t " + "Avg");
        while(rs.next())
        {
            System.out.println(rs.getString(1)+" \t "+rs.getInt(2)+" \t \t"+rs.getDouble(3));
        }
        s.close();
        c.close();
    }
}
```

- A. Error in main()
- B. Error in loop
- C. Error in connection statement
- D. Error in close()

4. Consider the following program.

What should be the correction done in the program to get correct output?

```
class Ddemo1
{
    public static void main(String args[]) throws Exception
    {
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connection c=DriverManager.getConnection("jdbc:odbc:ODSN"," "," ");
        Statement s=c.createStatement();
        ResultSet rs=s.executeQuery("select *from StudTable");
        System.out.println("Name" + " \t " + "Roll_No" + " \t " + "Avg");
        while(rs.next())
```

```

{
System.out.println(rs.getString(1)+" \t "+rs.getInt(2)+" \t \t "+rs.getDouble(3));
}
s.close();
c.close();
}
}

```

- A. Missing semicolon
- B. Missing {
- C. Missing }
- D. Missing package statement.

Answer: D

5. Consider the following program

Select the statement that should be added to the program to get correct output.

```

import java.sql.*;
public class db15
{
public static void main(String args[])throws Exception
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection c =DriverManager.getConnection("jdbc:odbc:MyDSN","","");
PreparedStatement s=c.prepareStatement( "update db3 set Name=? where Roll_no=?");
Statement s=c.createStatement( );
s.setString(1,args[0]);
s.setString(2,args[1]);
s.setString(3,args[2]);
ResultSet rs=s.executeQuery("select* from db3");
System.out.println("Name"+" \t "+"Roll no"+" \t "+"Avg");
while(rs.next())
{
System.out.println(rs.getString(1)+" \t "+rs.getInt(2)+" \t "+rs.getDouble(3));
}
s.close();
c.close();
}
}

```

- A. s.executeUpdate()
- B. c.createStatement()
- C. s.close()
- D. c.close()

Chapter 5

1. Choose missing statements in following code from given options.

```

public class session1 extends HttpServlet
{
    public void doGet(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException
    {
        HttpSession hs = request.getSession(true);
        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();
        pw.print("<B>");
        Date date = (Date)hs.getAttribute("date");
        if(date != null) {
            pw.print("Last access: " + date + "<br>");
        }
        date = new Date();
        hs.setAttribute("date", date);
        pw.println("Current date: " + date);
    }
}

```

- A. import java.io.*; import java.util.*; import javax.servlet.*; import javax.servlet.http.*;
- B. import java.Vector.*; import java.Thread.*; import javax.servlet.*;
- C. import javax.servlet.http.*; import java.String.*; import java.Vector;
- D. import javax.servlet.http.*; import java.Thread.*; import javax.Client.*;

2. In following Java program fill statement showing *.Select any one option fro given options**

```

import javax.servlet.*;
import javax.servlet.http.*;
public class AddCookieServlet extends HttpServlet
{
    public void doPost(HttpServletRequest request,
        HttpServletResponse response)
        throws ServletException, IOException
    {
        String data = request.getParameter("data");
        Cookie cookie = *****
        response.addCookie(cookie);
        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();
        pw.println("<B>MyCookie has been set to");
        pw.println(data);
        pw.close();
    }
}

```

- A. new Cookie("MyCookie", data);
- B. new Cookie("MyCookie", data1);
- C. new Cookie("MyCookie", data2);
- D. new Cookie("MyCookie", database);

3. Consider the following program. Identify the exception that might be thrown

```
import java.net.*;
class URLEDemo
{
public static void main(String args[]) throws _____
{
URL netAddress= new URL("http://www.sun.com:8080//index.html");
System.out.println("Protocol :"+netAddress.getProtocol());
System.out.println("Port :"+netAddress.getPort());
System.out.println("Host :"+netAddress.getHost());
System.out.println("File :"+netAddress.getFile());
}
}
```

- A. IOException
- B. MalformedURLException
- C. Arithmetic Exception
- D. UnknownHostException

4. Consider the following program. Identify the missing statement from the output.

```
import java.net.*;
class URLEDemo
{
public static void main(String args[]) throws MalformedURLException
{
URL netAddress= new URL("http://www.sun.com: //index.html");
System.out.println("Protocol :"+netAddress.getProtocol());
System.out.println("Port :"+netAddress.getPort());
System.out.println("Host :"+netAddress.getHost());
System.out.println("File :"+netAddress.getFile());
}
}
```

Output of the Program

```
Protocol :http
Host :www.sun.com
File :/index.html
```

- A. Port :8080
- B. Port :1024
- C. Port: -1

D. None of the above

5. Consider the following program and identify the missing statement.

```
class URLEDemo
{
public static void main(String args[]) throws MalformedURLException
{
URL netAddress= new URL("http://www.sun.com:/index.html");
System.out.println("Protocol :"+netAddress.getProtocol());
System.out.println("Port :"+netAddress.getPort());
System.out.println("Host :"+netAddress.getHost());
System.out.println("File :"+netAddress.getFile());
}
}
```

- A. Missing semicolon
- B. Missing package statement
- C. Missing initialization
- D. None of the above